

Lockheed Martin Corporation
Corporate Environment, Safety & Health
West Coast Projects Office
2550 North Hollywood Way, 3rd Floor, Burbank, CA 91505-1055
Facsimile 818-847-0256 or 818-847-0170

SFUND RECORDS CTR
2462-90244

SFUND RECORDS CTR
110170

LOCKHEED MARTIN 

Via: FAX & Courier
RED0300/030 WBS 48

March 31, 2000

Mr. Gerard J. Thibeault
Executive Officer
California Regional Water Quality Control Board
Santa Ana Region
3737 Main Street, Suite 500
Riverside, California 92501-3339

Dear Mr. Thibeault:

**Subject: Monthly Effluent Monitoring Report, February 2000
Lockheed Martin Corporation**

**Reference: Monitoring and Reporting Program Order No. 98-67-031
NPDES No. CAG998001**

On July 10, 1998, the California Regional Water Quality Control Board, Santa Ana Region (CRWQCB), adopted the above referenced permit. After submitting the required Notice of Intent, Lockheed Martin Corporation (LMC) received authorization for coverage from the CRWQCB in a letter dated August 31, 1998. This report has been prepared to comply with the permit requirements, and subsequent modifications to the permit described in letters from LMC to the CRWQCB, dated March 8, 1999, and November 9, 1999.

The reporting period of February 2000 is covered by this transmittal. Permitted discharges occurred during February 2000 associated with pilot perchlorate treatment system operation at the "Gage New-6" well; additional detail is given below.

A total of 201,600 gallons of groundwater were discharged from February 14 through February 29, 2000; daily discharges and analytical results are summarized below in Table 1. Water discharged was within permit limits. The water was discharged to a dry portion of the Santa Ana Wash east of Tippecanoe Ave. During this reporting period the water completely percolated into soil, never reaching any flowing portion of the Santa Ana River. Thus, analysis for Total Suspended Solids was not performed on the discharged groundwater.

Mr. Gerard J. Thibeault
RED0300/030
March 31, 2000
Page 2

Table 1.

NPDES Summary—February 2000¹

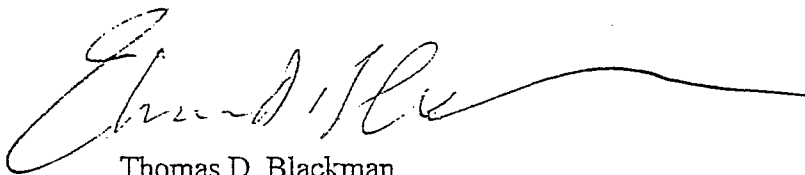
Constituent	2/15/00	2/16/00	2/17/00	2/18/00	2/19/00	2/20/00	2/21/00	2/22/00	2/23/00	2/24/00	2/25/00	2/26/00	2/28/00	2/29/00
Flow (gallons/day)	14,400	14,400	14,400	14,400	14,400	14,400	14,400	14,400	14,400	14,400	14,400	14,400	14,400	14,400
Oil and Grease (mg/l)	na	na	na	na	na	na	na	na	<5	<5	<5	<5	<5	<5
Sulfides (mg/l)	na	na	na	na	na	na	na	na	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
TPH (mg/l)	na	na	na	na	na	na	na	na	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
TCE (ug/l) ~	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
pH (Effluent)	8.6	8.6	8.5	8.5	8.4	8.4	8.1	7.9	7.8	7.6	7.7	7.6	7.5	7.5
Perchlorate (ug/l)	ND	ND	ND	na	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Nitrate as NO ₃ (mg/l) ~	1.5	5.2	6.4	6.4	3.9	3.5	7.8	7.6	ND	ND	ND	ND	ND	ND
DBCP (ug/l)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Notes:

1. The pilot perchlorate treatment plant did not operate 2/27/00; no discharge on this date.
2. na=not analyzed.
3. All method volatile organic constituents ND (non-detect).
4. Nitrate results for dates 2/15/00 through 2/22/00 are from the test columns. Discharged water was treated additionally via anion exchange.

Laboratory analytical data reports (Weck Labs, Industry CA) are included as Attachment A to this report. Status for discharges occurring in March 2000 will be given in the next monthly NPDES report.

Sincerely,



Thomas D. Blackman
Technical Project Manager

TDB:eah:mg

Attachment

cc: See distribution

Mr. Gerard J. Thibeault
RED0300/030
March 31, 2000
Page 3

Distribution

Kevin Mayer (SFD-73), U.S. Environmental Protection Agency
75 Hawthorne Street
San Francisco, CA 94105

Susan Beeson
California Regional Water Quality Control Board, Santa Ana Region

Kamron Saremi
California Regional Water Quality Control Board, Santa Ana Region